

\* **TABLE 1: Characteristics of Michigan Residents Living with HIV or AIDS**

|                                    | Estimate of HIV<br>Prevalence <sup>1</sup> | Estimated<br>Prevalence<br>Rate <sup>2</sup> | Reported Living<br>with AIDS <sup>3</sup> |                      | Reported Living with<br>HIV not AIDS <sup>3</sup> |                      |
|------------------------------------|--|--|---|----------------------|---|----------------------|
|                                    |  |  | Number                                    | Percent <sup>4</sup> | Number  | Percent <sup>4</sup> |
| <b>MICHIGAN TOTAL</b>              | <b>15,500</b>                              | 156  | 5,135                                     | 100%                 | 5,581   | 100%                 |
| <b>SEX</b>                         |  |  |   |                      |   |                      |
| Male                               | <b>11,940</b>                              | 245  | 4,109                                     | 80%                  | 4,166   | 75%                  |
| Female                             | <b>3,570</b>                               | 70   | 1,026                                     | 20%                  | 1,415   | 25%                  |
| <b>BEHAVIOR</b>                    |  |  |   |                      |   |                      |
| Male-Male Sex                      | <b>8,530</b>                               | N/A  | 2512                                      | 57%                  | 2332  | 53%                  |
| Injecting Drug Use <sup>5</sup>    | <b>2,950</b>                               | N/A  | 881                                       | 20%                  | 796   | 18%                  |
| IDU w/ heterosexual                | <b>1,400</b>                               | N/A  | 416                                       | 9%                   | 379   | 9%                   |
| IDU w/o heterosexual               | <b>1,550</b>                               | N/A  | 465                                       | 10%                  | 417   | 9%                   |
| Male-Male Sex/IDU                  | <b>930</b>                                 | N/A  | 282                                       | 6%                   | 279   | 6%                   |
| Blood Products                     | <b>160</b>                                 | N/A  | 76  | 2%                   | 50  | 1%                   |
| Heterosexual <sup>6</sup>          | <b>2,640</b>                               | N/A  | 645                                       | 15%                  | 843   | 19%                  |
| Partner IDU                        | <b>780</b>                                 | N/A  | 207                                       | 5%                   | 265   | 6%                   |
| Partner Bisexual                   | <b>160</b>                                 | N/A  | 28  | 1%                   | 40  | 1%                   |
| Partner Rec'd Bld                  | <b>60</b>                                  | N/A  | 13  | 0%                   | 22  | 1%                   |
| Partner HIV +                      | <b>1,550</b>                               | N/A  | 397                                       | 9%                   | 516   | 12%                  |
| Perinatal                          | <b>160</b>                                 | N/A  | 33  | 1%                   | 98  | 2%                   |
| Undetermined/Other <sup>4</sup>    | Not Applicable                             | N/A  | 706                                       | (14%)                | 1183  | (21%)                |
| Presumed Heterosexual <sup>7</sup> | Not Applicable                             | N/A  | 548                                       | (11%)                | 789   | (14%)                |
| Other <sup>8</sup>                 | Not Applicable                             | N/A  | 158                                       | (3%)                 | 394   | (7%)                 |
| <b>AGE AT DIAGNOSIS</b>            |  |  |   |                      |   |                      |
| 0 -12 years                        | <b>160</b>                                 | 9  | 34  | 1%                   | 114   | 2%                   |
| 13 -19 years                       | <b>310</b>                                 | 31   | 44  | 1%                   | 184   | 3%                   |
| 20 -24 years                       | <b>1,400</b>                               | 217  | 232                                       | 5%                   | 725   | 13%                  |
| 25 -29 years                       | <b>2,480</b>                               | 379  | 614                                       | 12%                  | 1072  | 19%                  |
| 30 -34 years                       | <b>3,260</b>                               | 461  | 1095                                      | 21%                  | 1132  | 20%                  |
| 35 -39 years                       | <b>3,100</b>                               | 394  | 1149                                      | 22%                  | 1013  | 18%                  |
| 40 -44 years                       | <b>2,330</b>                               | 287  | 918                                       | 18%                  | 647   | 12%                  |
| 45 -49 years                       | <b>1,240</b>                               | 169  | 552                                       | 11%                  | 350   | 6%                   |
| 50 -54 years                       | <b>780</b>                                 | 123  | 303                                       | 6%                   | 201   | 4%                   |
| 55 -59 years                       | <b>310</b>                                 | 64   | 114                                       | 2%                   | 87  | 2%                   |
| 60 -64 years                       | <b>160</b>                                 | 42   | 52  | 1%                   | 37  | 1%                   |
| 65 years and over                  | <b>70</b>                                  | 6  | 28  | 1%                   | 19  | 0%                   |
| <b>RACE / ETHNICITY</b>            |  |  |   |                      |   |                      |
| White, Non-Hisp.                   | <b>5,740</b>                               | 74   | 1,984                                     | 39%                  | 1,939   | 36%                  |
| Black, Non-Hisp.                   | <b>7,600</b>                               | 542  | 2,911                                     | 57%                  | 3,289   | 60%                  |
| Hispanic                           | <b>620</b>                                 | 191  | 206                                       | 4%                   | 177   | 3%                   |
| Asian                              | <b>50</b>                                  | 28   | 23  | 0%                   | 14  | 0%                   |
| American Indian                    | <b>50</b>                                  | 94   | 10  | 0%                   | 26  | 0%                   |
| Unspecified/Other <sup>4</sup>     | Not Applicable                             | N/A  | 1   | (0%)                 | 136   | (2%)                 |

\* See Technical Notes for footnotes to Table 1.

**TABLE 2: Michigan Residents Reported Living with HIV or AIDS by County, as of 4/1/03  
and Residents Ever Diagnosed with AIDS, 1981 to Present**

| Residence at Time of Diagnosis | Estimate of HIV Prevalence <sup>1</sup> | Estimated Prevalence Rate <sup>2</sup> | Persons Living with AIDS <sup>3</sup> | Persons Living with HIV not AIDS <sup>3</sup> | Persons Ever Diagnosed with AIDS |
|--------------------------------|---|--|---------------------------------------|---|----------------------------------|
| <b>Total Michigan</b>          | <b>15,500</b>                           | <b>156.0</b>                           | <b>5,135</b>                          | <b>5,581</b>                                  | <b>12,760</b>                    |
| Alcona                         | 10                                      | ----                                   | 1                                     | 0   | 3                                |
| Alger                          | 10                                      | ----                                   | 1                                     | 0   | 1                                |
| Allegan                        | 90                                      | 85.2                                   | 39                                    | 22  | 78                               |
| Alpena                         | 10                                      | ----                                   | 1                                     | 2   | 8                                |
| Antrim                         | 10                                      | ----                                   | 2                                     | 1   | 6                                |
| Arenac                         | 10                                      | ----                                   | 0                                     | 2   | 2                                |
| Baraga                         | 10                                      | ----                                   | 4                                     | 3   | 8                                |
| Barry                          | 30                                      | 52.9                                   | 11                                    | 6   | 23                               |
| Bay                            | 80                                      | 72.6                                   | 20                                    | 30  | 52                               |
| Benzie                         | 10                                      | ----                                   | 0                                     | 1   | 2                                |
| Berrien                        | 260                                     | 160.0                                  | 83                                    | 82  | 170                              |
| Branch                         | 10                                      | ----                                   | 1                                     | 8   | 13                               |
| Calhoun                        | 150                                     | 108.7                                  | 38                                    | 58  | 96                               |
| Cass                           | 30                                      | 58.7                                   | 8                                     | 13  | 17                               |
| Charlevoix                     | 10                                      | ----                                   | 3                                     | 6   | 5                                |
| Cheboygan                      | 10                                      | ----                                   | 2                                     | 0   | 5                                |
| Chippewa                       | 10                                      | 25.9                                   | 2                                     | 6   | 4                                |
| Clare                          | 10                                      | 32.0                                   | 3                                     | 6   | 8                                |
| Clinton                        | 40                                      | 61.8                                   | 17                                    | 9   | 28                               |
| Crawford                       | 10                                      | ----                                   | 2                                     | 0   | 4                                |
| Delta                          | 20                                      | 51.9                                   | 6                                     | 7   | 7                                |
| Dickinson                      | 10                                      | ----                                   | 2                                     | 2   | 5                                |
| Eaton                          | 40                                      | 38.6                                   | 14                                    | 14  | 32                               |
| Emmet                          | 10                                      | ----                                   | 5                                     | 3   | 9                                |
| Genesee                        | 600                                     | 137.6                                  | 171                                   | 217   | 410                              |
| Gladwin                        | 10                                      | ----                                   | 3                                     | 1   | 5                                |
| Gogebic                        | 10                                      | ----                                   | 1                                     | 3   | 7                                |
| Grand Traverse                 | 60                                      | 77.3                                   | 17                                    | 23  | 35                               |
| Gratiot                        | 10                                      | ----                                   | 2                                     | 3   | 8                                |
| Hillsdale                      | 10                                      | ----                                   | 2                                     | 5   | 14                               |
| Houghton                       | 10                                      | ----                                   | 4                                     | 3   | 8                                |
| Huron                          | 10                                      | ----                                   | 2                                     | 0   | 8                                |
| Ingham                         | 430                                     | 153.8                                  | 119                                   | 160   | 329                              |
| Ionia                          | 20                                      | 32.5                                   | 9                                     | 4   | 18                               |
| Iosco                          | 10                                      | ----                                   | 1                                     | 2   | 2                                |
| Iron                           | 10                                      | ----                                   | 0                                     | 1   | 2                                |
| Isabella                       | 20                                      | 31.6                                   | 7                                     | 6   | 18                               |
| Jackson                        | 140                                     | 88.3                                   | 41                                    | 50  | 94                               |
| Kalamazoo                      | 330                                     | 138.3                                  | 110                                   | 101   | 232                              |
| Kalkaska                       | 10                                      | ----                                   | 1                                     | 3   | 4                                |
| Kent                           | 790                                     | 137.6                                  | 250                                   | 262   | 603                              |
| Keweenaw                       | 10                                      | ----                                   | 0                                     | 0   | 0                                |
| Lake                           | 10                                      | ----                                   | 6                                     | 3   | 10                               |
| Lapeer                         | 20                                      | 22.8                                   | 4                                     | 11  | 13                               |
| Leelanau                       | 10                                      | ----                                   | 5                                     | 0   | 13                               |
| Lenawee                        | 60                                      | 60.7                                   | 19                                    | 22  | 41                               |
| Livingston                     | 40                                      | 25.5                                   | 12                                    | 14  | 31                               |
| Luce                           | 10                                      | ----                                   | 0                                     | 0   | 1                                |

**TABLE 2 continued: Michigan Residents Living with HIV or AIDS by County, as of 4/1/03  
and Residents Ever Diagnosed with AIDS, 1981 to Present**

| Residence at Time of Diagnosis | Estimate of HIV Prevalence <sup>1</sup> | Estimated Prevalence Rate <sup>2</sup> | Persons Living with AIDS <sup>3</sup> | Persons Living with HIV not AIDS <sup>3</sup> | Persons Ever Diagnosed with AIDS |
|--------------------------------|---|--|---------------------------------------|---|----------------------------------|
| <b>Total Michigan</b>          | <b>15,500</b>                           | <b>156.0</b>                           | <b>5,135</b>                          | <b>5,581</b>                                  | <b>12,760</b>                    |
| Mackinac                       | 10                                      | -----                                  | 1                                     | 0   | 2                                |
| Macomb                         | 570                                     | 72.3                                   | 184                                   | 186   | 477                              |
| Manistee                       | 20                                      | 81.5                                   | 6                                     | 4   | 9                                |
| Marquette                      | 20                                      | 30.9                                   | 4                                     | 9   | 17                               |
| Mason                          | 20                                      | 70.7                                   | 8                                     | 4   | 11                               |
| Mecosta                        | 20                                      | 49.3                                   | 4                                     | 7   | 11                               |
| Menominee                      | 10                                      | -----                                  | 0                                     | 4   | 3                                |
| Midland                        | 30                                      | 36.2                                   | 14                                    | 8   | 25                               |
| Missaukee                      | 10                                      | -----                                  | 1                                     | 5   | 3                                |
| Monroe                         | 60                                      | 41.1                                   | 28                                    | 13  | 64                               |
| Montcalm                       | 30                                      | 49.0                                   | 10                                    | 11  | 20                               |
| Montmorency                    | 10                                      | -----                                  | 2                                     | 0   | 3                                |
| Muskegon                       | 120                                     | 70.5                                   | 35                                    | 45  | 81                               |
| Newaygo                        | 20                                      | 41.8                                   | 8                                     | 5   | 22                               |
| Oakland                        | 1,650                                   | 138.2                                  | 507                                   | 558   | 1,162                            |
| Oceana                         | 10                                      | -----                                  | 3                                     | 4   | 9                                |
| Ogemaw                         | 10                                      | -----                                  | 1                                     | 1   | 3                                |
| Ontonagon                      | 10                                      | -----                                  | 0                                     | 1   | 0                                |
| Osceola                        | 10                                      | -----                                  | 3                                     | 2   | 8                                |
| Oscoda                         | 10                                      | -----                                  | 0                                     | 1   | 2                                |
| Otsego                         | 10                                      | -----                                  | 5                                     | 3   | 8                                |
| Ottawa                         | 100                                     | 42.0                                   | 38                                    | 27  | 93                               |
| Presque Isle                   | 10                                      | -----                                  | 0                                     | 0   | 2                                |
| Roscommon                      | 10                                      | 39.3                                   | 6                                     | 3   | 13                               |
| Saginaw                        | 200                                     | 95.2                                   | 63                                    | 68  | 156                              |
| Sanilac                        | 20                                      | -----                                  | 6                                     | 4   | 12                               |
| Schoolcraft                    | 10                                      | -----                                  | 1                                     | 1   | 3                                |
| Shiawassee                     | 30                                      | 65.9                                   | 11                                    | 7   | 18                               |
| St. Clair                      | 100                                     | 60.9                                   | 25                                    | 38  | 69                               |
| St. Joseph                     | 40                                      | 55.8                                   | 13                                    | 10  | 34                               |
| Tuscola                        | 20                                      | 34.3                                   | 6                                     | 5   | 14                               |
| Van Buren                      | 80                                      | 104.9                                  | 24                                    | 25  | 46                               |
| Washtenaw                      | 500                                     | 154.8                                  | 165                                   | 160   | 359                              |
| Wayne                          | 1,520                                   | 73.7                                   | 522                                   | 458   | 1,219                            |
| City of Detroit                | 6,810                                   | 715.9                                  | 2,157                                 | 2,247   | 5,801                            |
| Wexford                        | 10                                      | -----                                  | 2                                     | 6   | 4                                |
| PRISONS <sup>4</sup>           | 700                                     | N/A                                    | 220                                   | 472   | 482                              |
| UNKNOWN                        | 10                                      | N/A                                    | 1                                     | 4   | 3                                |

1. This estimate includes all persons living with HIV or AIDS, including those not yet diagnosed. All estimates are rounded to the nearest ten, and the minimum estimate given is 10.
2. Rates are calculated per 100,000 population in 2000. Rates are unreliable for counties with the minimum estimated prevalence of 10, and are therefore not listed.
3. Includes reports of HIV infection or AIDS that contain patient name or are otherwise unduplicated.
4. The category PRISONS includes those persons who were in prison at the time of their HIV or AIDS diagnosis.

**Table 3: Michigan Residents Reported Living with HIV or AIDS: Sex by Race by Behavior**

| <b>MALES:</b>                | <b>White</b> |       | <b>Black</b> |       | <b>Hispanic</b> |      | <b>Other or Unknown</b> |      | <b>TOTAL</b> |      |
|------------------------------|--------------|-------|--------------|-------|-----------------|------|-------------------------|------|--------------|------|
| Male-Male Sex                | 2,517        | 74%   | 2,127        | 48%   | 134             | 45%  | 66                      | 41%  | 4,844        | 59%  |
| Injecting Drug Use           | 172          | 5%    | 773          | 17%   | 57              | 19%  | 6                       | 4%   | 1,008        | 12%  |
| Male-Male Sex/IDU            | 215          | 6%    | 326          | 7%    | 14              | 5%   | 6                       | 4%   | 561          | 7%   |
| Blood Recipient              | 81           | 2%    | 23           | 1%    | 1               | 0%   | 2                       | 1%   | 107          | 1%   |
| Heterosexual                 | 85           | 3%    | 321          | 7%    | 30              | 10%  | 6                       | 4%   | 442          | 5%   |
| Perinatal                    | 12           | 0%    | 53           | 1%    | 2               | 1%   | 0                       | 0%   | 67           | 1%   |
| Undetermined/Other           | 312          | 9%    | 801          | 18%   | 57              | 19%  | 76                      | 47%  | 1,246        | 15%  |
| <i>Presumed Heterosexual</i> | 186          | 5%    | 558          | 13%   | 44              | 15%  | 24                      | 15%  | 812          | 10%  |
| <i>Other</i>                 | 126          | 4%    | 243          | 5%    | 13              | 4%   | 52                      | 32%  | 434          | 5%   |
| <b>MALE TOTAL</b>            | 3,394        | (41%) | 4,424        | (53%) | 295             | (4%) | 162                     | (2%) | 8,275        | 100% |
| <b>FEMALES:</b>              | <b>White</b> |       | <b>Black</b> |       | <b>Hispanic</b> |      | <b>Other or Unknown</b> |      | <b>TOTAL</b> |      |
| Injecting Drug Use           | 126          | 24%   | 522          | 29%   | 15              | 17%  | 6                       | 13%  | 669          | 27%  |
| Blood Recipient              | 11           | 2%    | 8            | 0%    | 0               | 0%   | 0                       | 0%   | 19           | 1%   |
| Heterosexual                 | 269          | 51%   | 709          | 40%   | 52              | 59%  | 16                      | 33%  | 1046         | 43%  |
| Perinatal                    | 11           | 2%    | 47           | 3%    | 5               | 6%   | 1                       | 2%   | 64           | 3%   |
| Undetermined/Other           | 112          | 21%   | 490          | 28%   | 16              | 18%  | 25                      | 52%  | 643          | 26%  |
| <i>Presumed Heterosexual</i> | 97           | 18%   | 402          | 23%   | 15              | 17%  | 11                      | 23%  | 525          | 22%  |
| <i>Other</i>                 | 15           | 3%    | 88           | 5%    | 1               | 1%   | 14                      | 29%  | 118          | 5%   |
| <b>FEMALE TOTAL</b>          | 529          | (22%) | 1,776        | (73%) | 88              | (4%) | 48                      | (2%) | 2441         | 100% |
| <b>GRAND TOTAL</b>           | 3,923        | 37%   | 6,200        | 58%   | 383             | 4%   | 210                     | 2%   | 10,716       | 100% |

## TECHNICAL NOTES

### HIV Prevalence Estimate for Michigan

MDCH estimates that there are up to 15,500 HIV-infected persons (including those with AIDS) living in Michigan. This estimate includes all persons living in Michigan at diagnosis of HIV or AIDS, including those not reported or not yet diagnosed. It is supported by national estimates of HIV infection and rate of new AIDS diagnoses and deaths. Categorical estimates of HIV prevalence are calculated from the distribution of reported cases among each group of confidentially reported persons living with HIV or AIDS.

### Footnotes for Table 1:

1. This estimate includes all persons living in Michigan at diagnosis of HIV or AIDS, including those not reported or not yet diagnosed. All estimates are rounded to the nearest ten, and the minimum estimate given is 10.
2. Rates are calculated per 100,000 population in 2000.
3. Includes reports that contain patient name or are otherwise unduplicated.
4. Age, sex, race, and behavior percentages are calculated excluding missing data. The percentages of total cases missing this demographic information are given in parentheses.
5. The IDU risk category is further sub-divided to indicate the number and percentage of persons who also had a sexual partner who is considered to be a "high risk" heterosexual, (i.e., partner is an IDU, a bisexual male (for females), a recipient of HIV infected blood or blood products or a person who is known to be infected with HIV).
6. The heterosexual category includes only those persons with "high risk" heterosexual partners as defined in footnote 5.
7. This subset of undetermined includes persons who had heterosexual sex but their partner(s)' risk is unknown. This includes one unconfirmed occupational exposure.
8. Includes persons with confirmed exposure in the health care setting in the U.S. (2) and pediatric cases with probable sexual mode of transmission (2).